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LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
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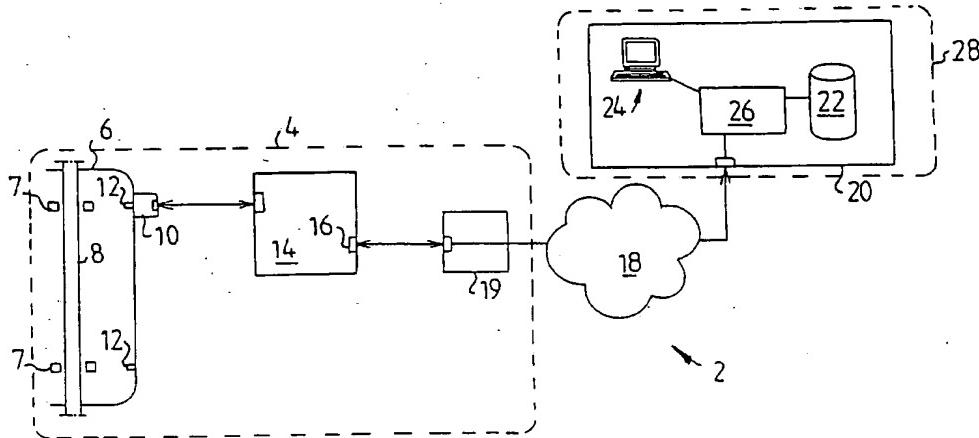
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(75) Inventors/Applicants (for US only): LINDBERG, Stefan [SE/SE]; Slånårsstigen 10, S-645 43 STRÄNGNÄS
(SE). HEIDLUND, Håkan [SE/SE]; Tranårsstigen 15 B,

[Continued on next page]

(54) Title: AN ANALYSIS SYSTEM FOR ANALYSING THE CONDITION OF A MACHINE



WO 03/062770 A1

(57) Abstract: A system for analysing the condition of a machine having a rotating shaft (8) and a measuring point (12); the system comprising a client part connectable to a communications network (18) for communication with a supplier part (20); said client part comprising at least one sensor (10) attachable on or at said measuring point (12) for generating said measurement data dependent on rotation of said shaft; an analysis apparatus (14) for analysing the condition of the machine on the basis of said measurement data; said analysis apparatus (14) having a data processing means for processing condition data dependent on said measurement data; said data processing means comprising means for performing a plurality of condition monitoring functions (F1, F2, Fn); and a logger for registering use of at least one of said condition monitoring functions (F1, F2, Fn); a communication port (16) coupled to said data processing means and connectable to said communications network (18) for communication with said supplier part computer (20); user input/output interface (102, 106, 103, 182) coupled to said data processing means for enabling user interaction; means (50, 60, 70, 80, 132) for generating a request for an amount of usage of at least one of said condition monitoring functions (F1, F2, Fn).

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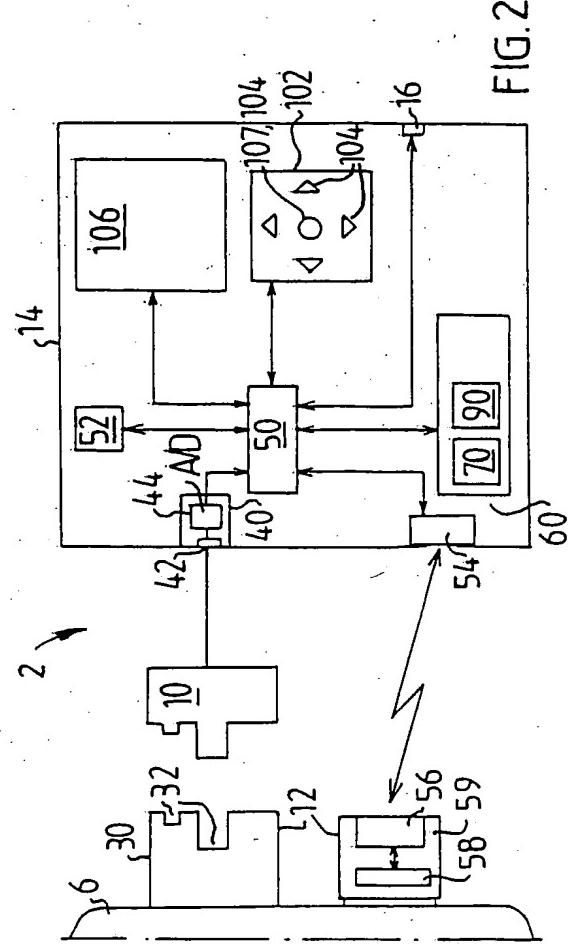
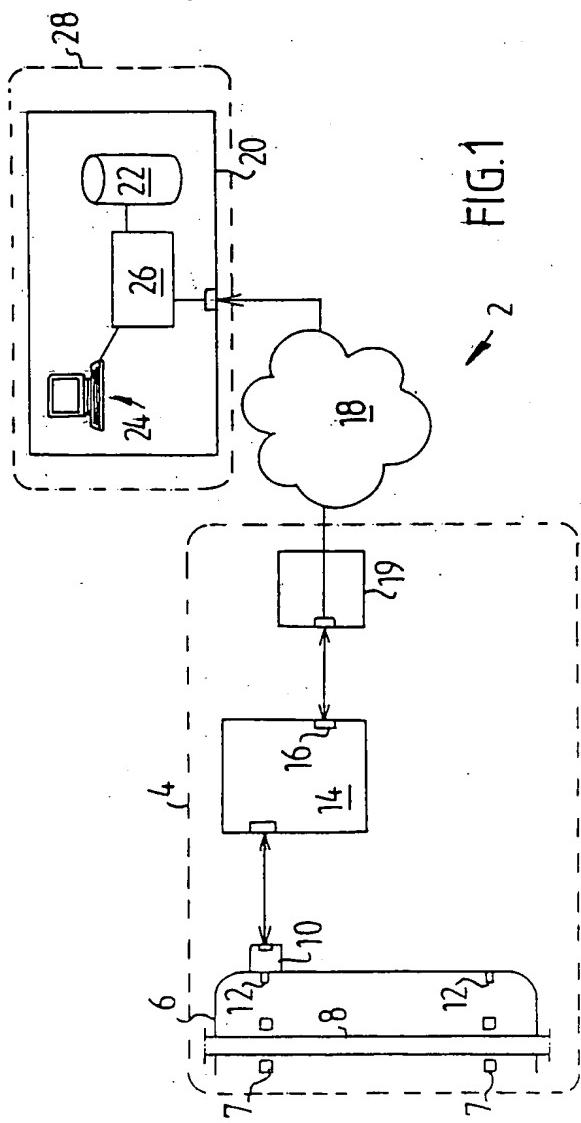


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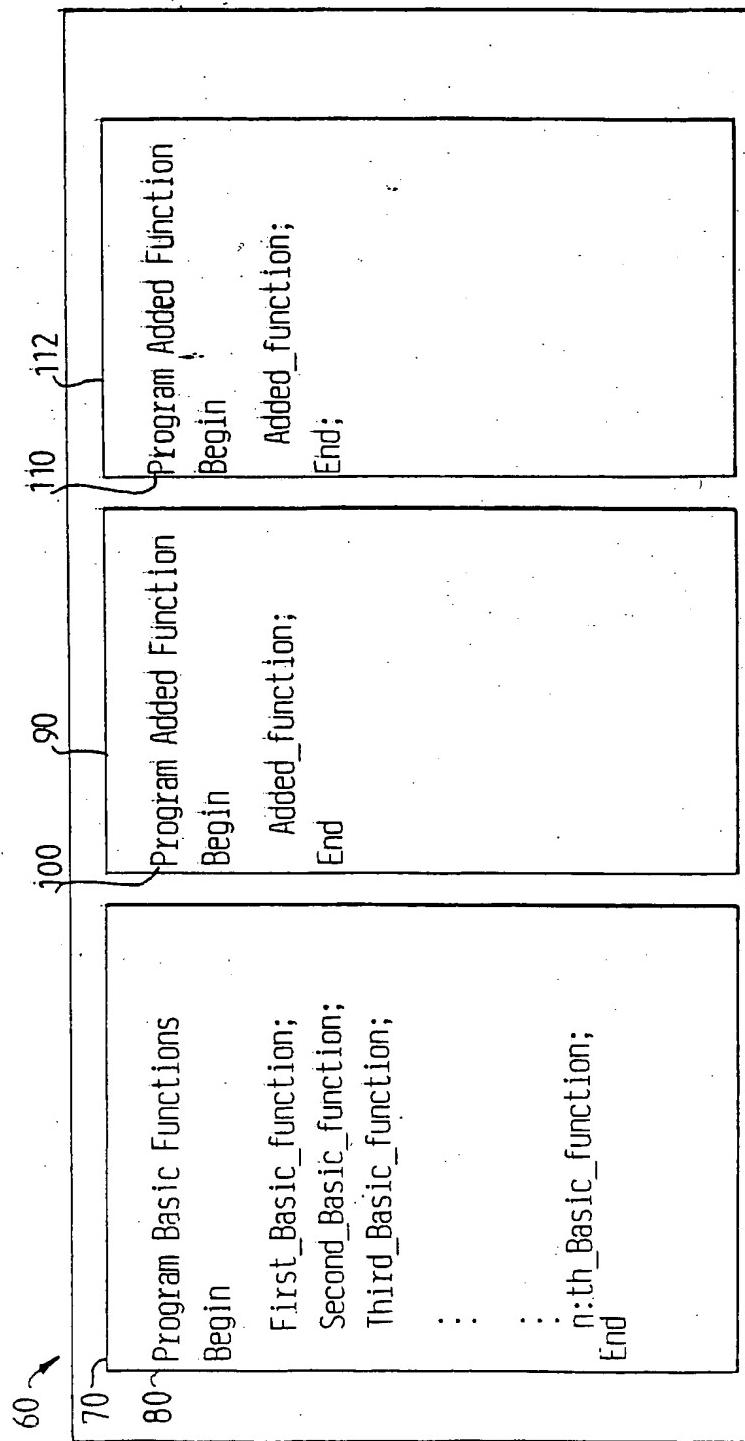


FIG.3

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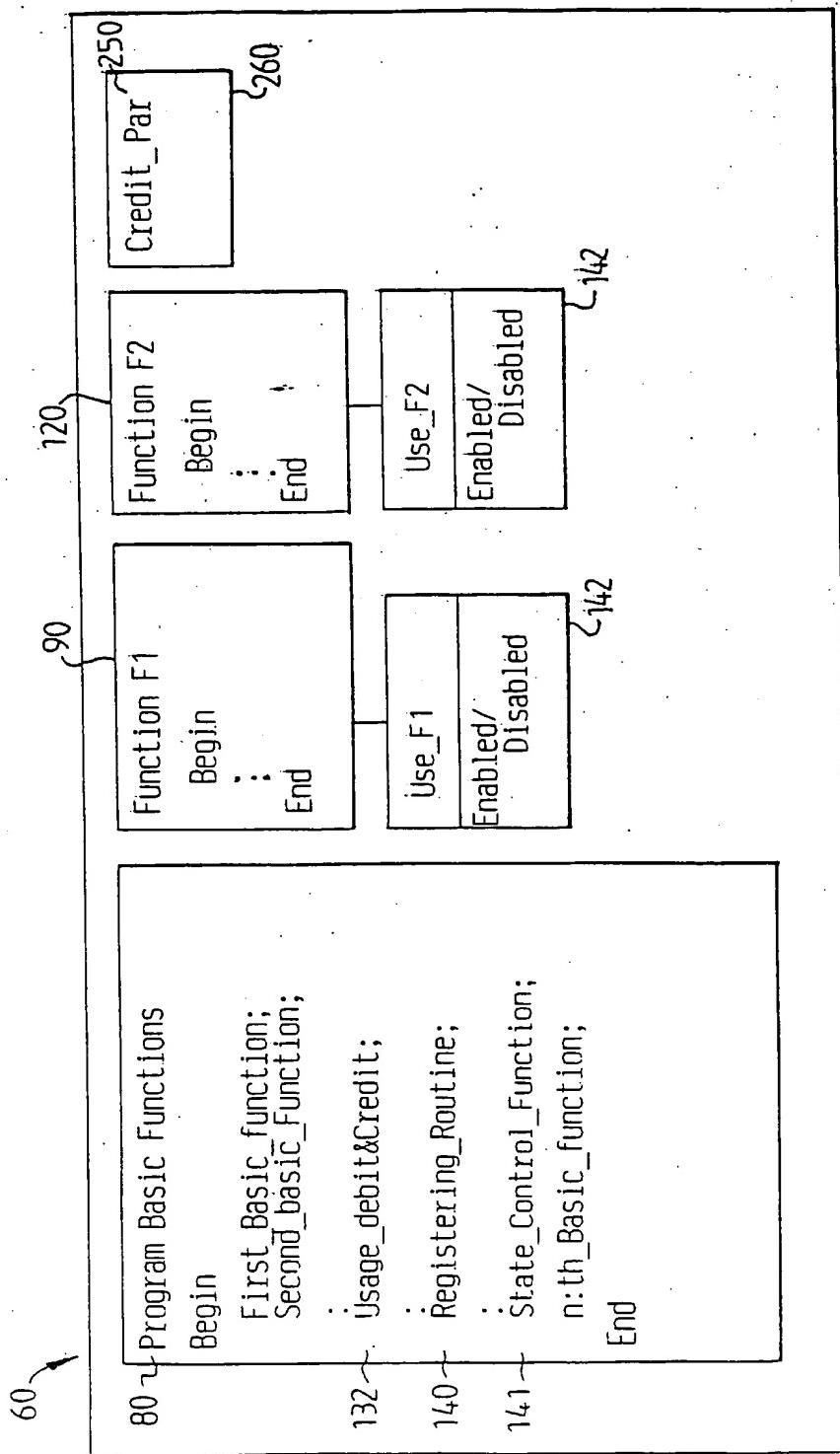
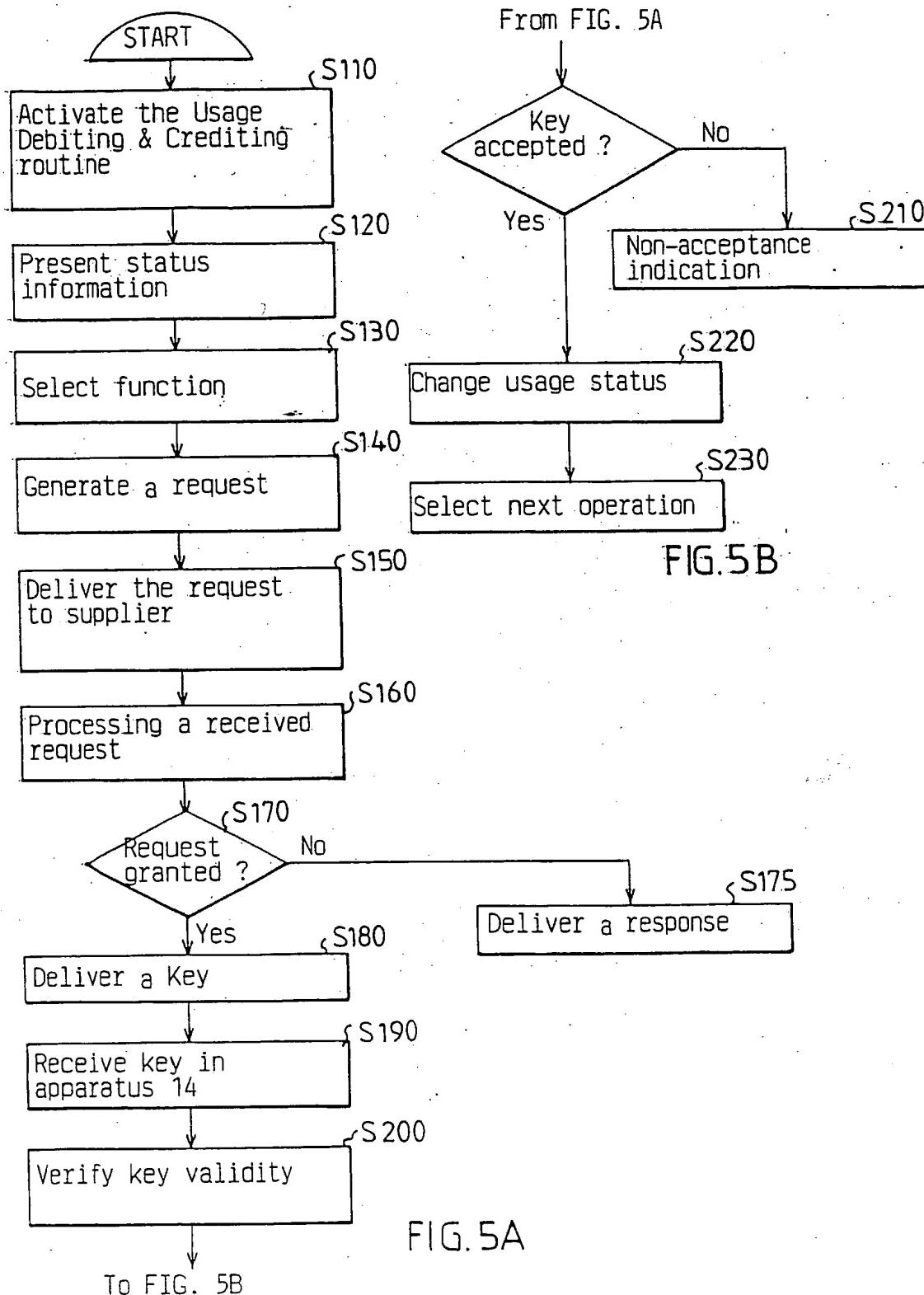


FIG. 4

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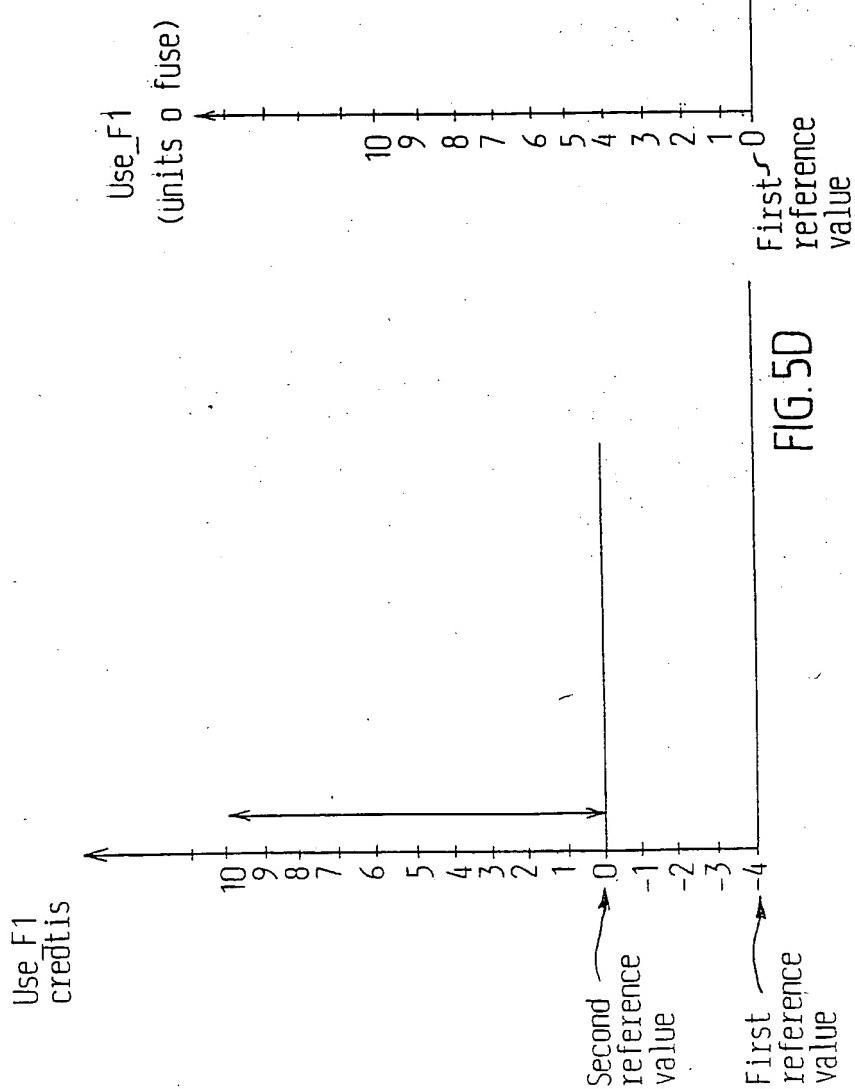


FIG. 5D

FIG. 5C

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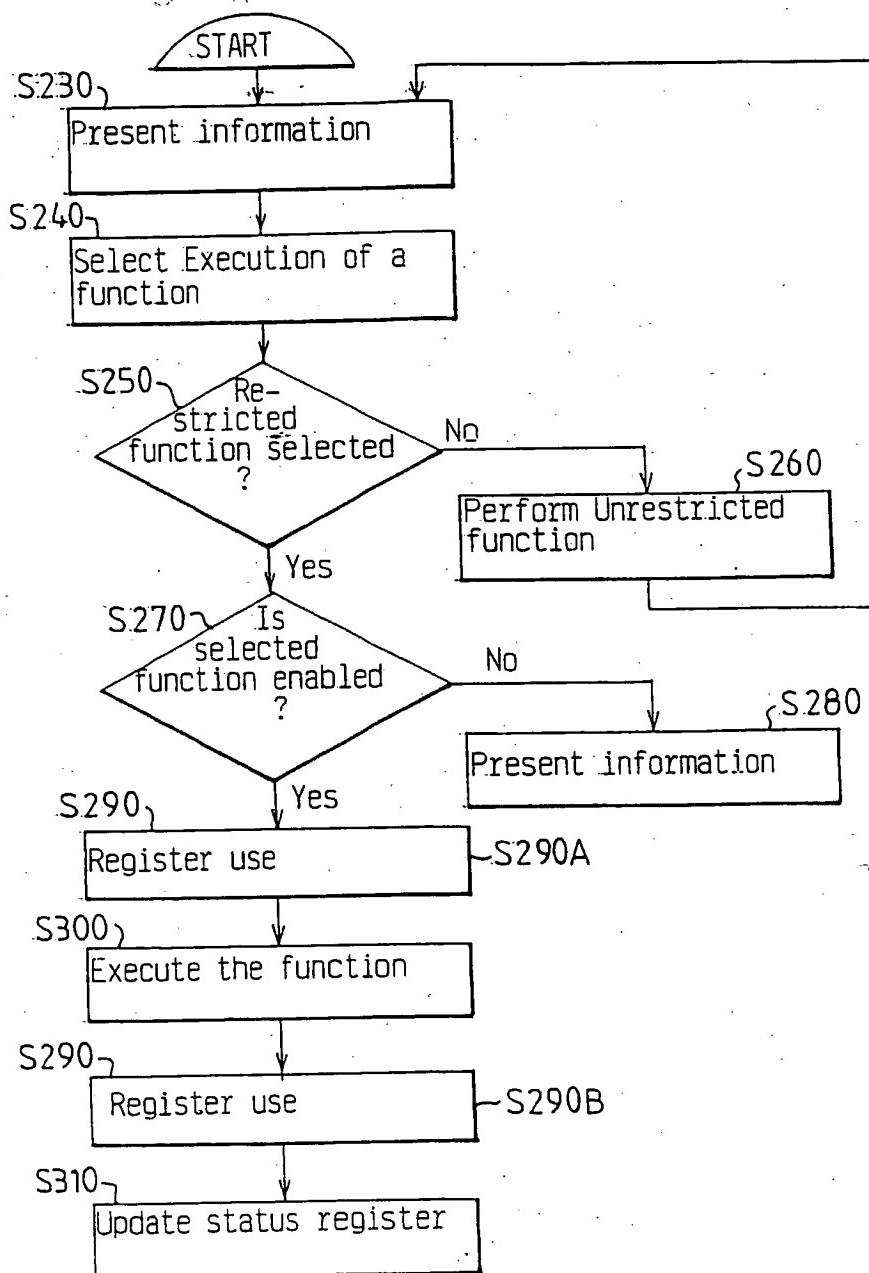


FIG.6

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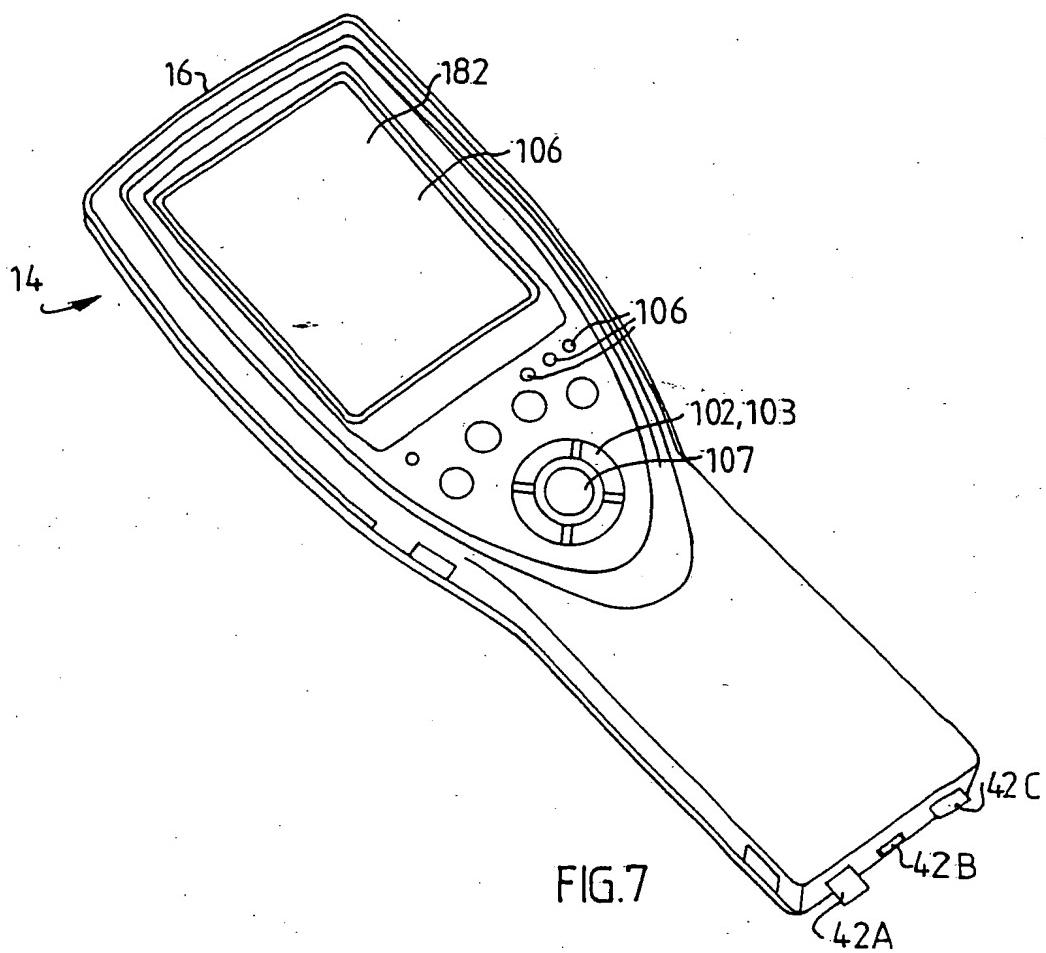


FIG. 7

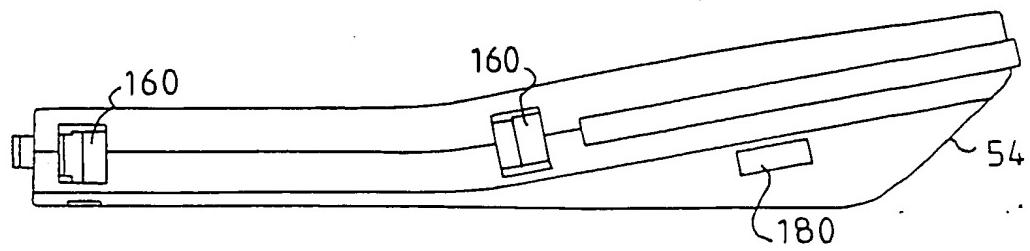
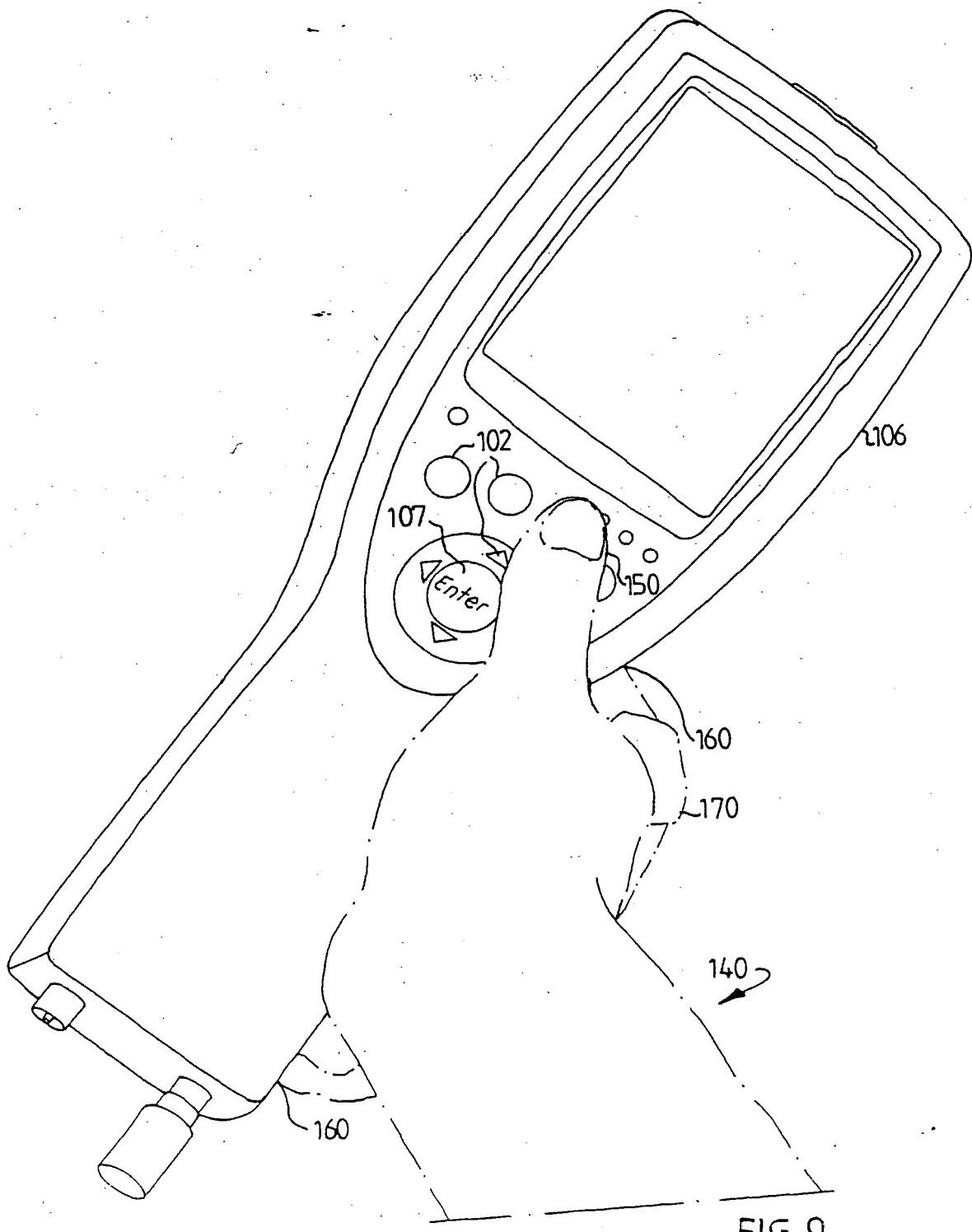
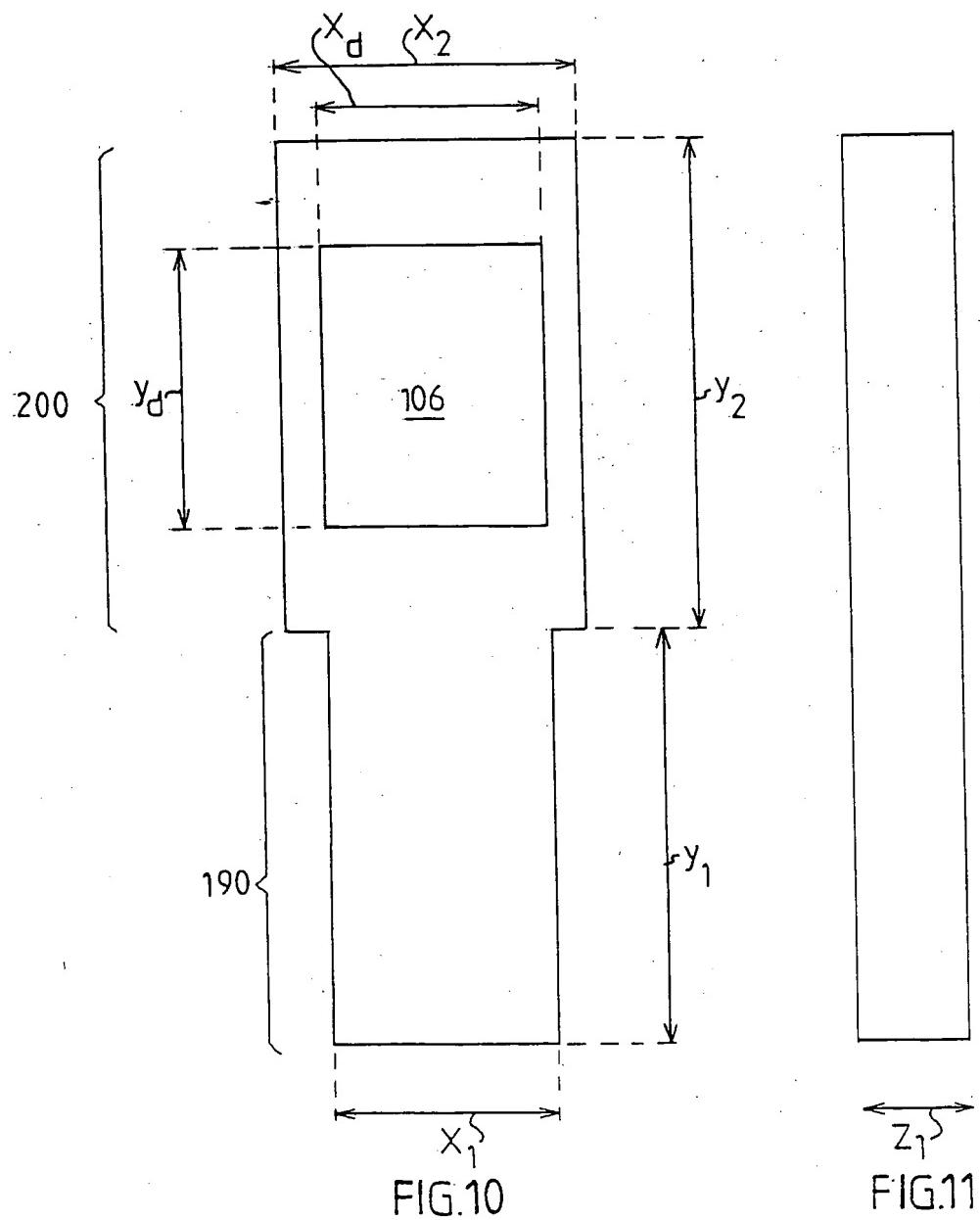


FIG. 8

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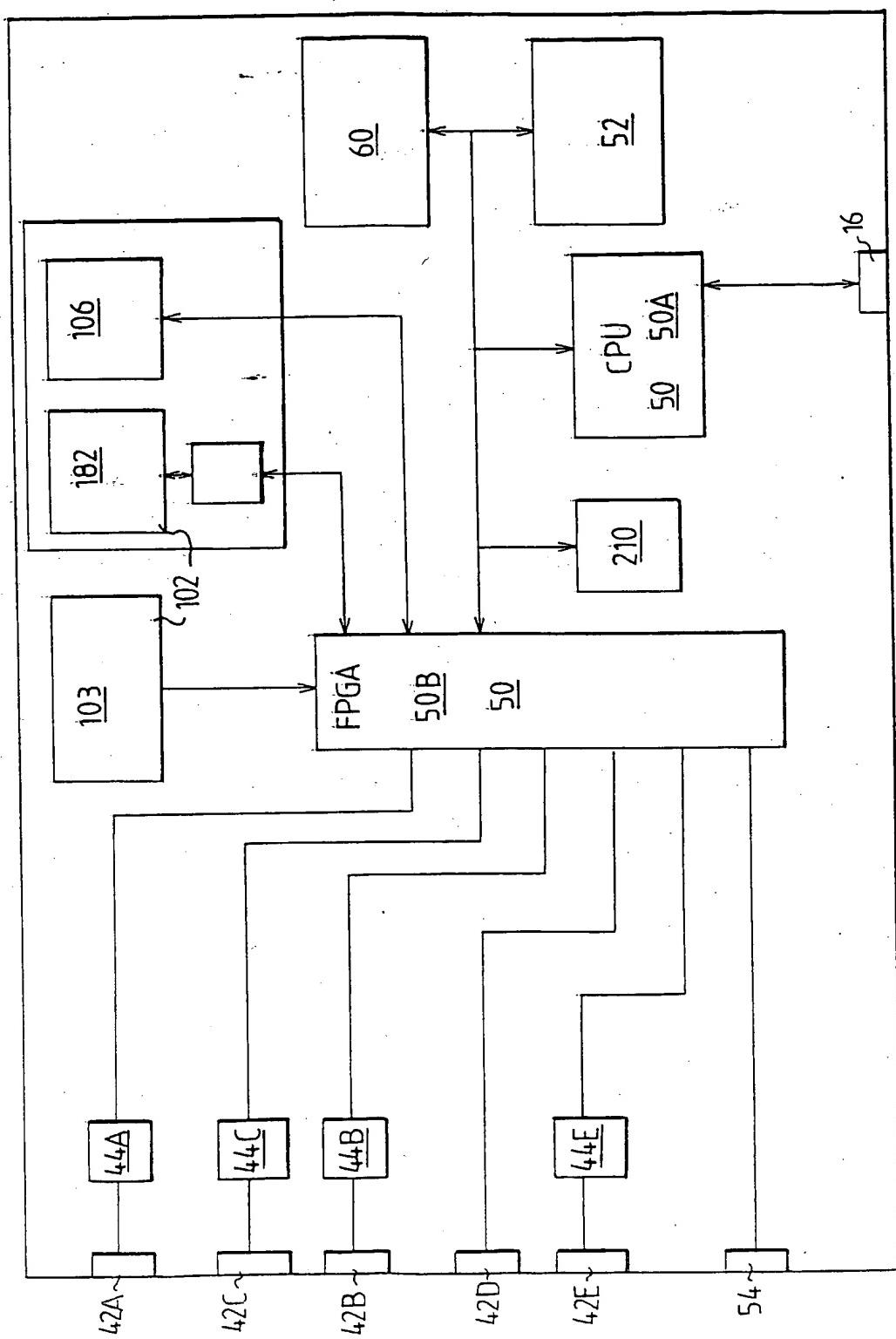
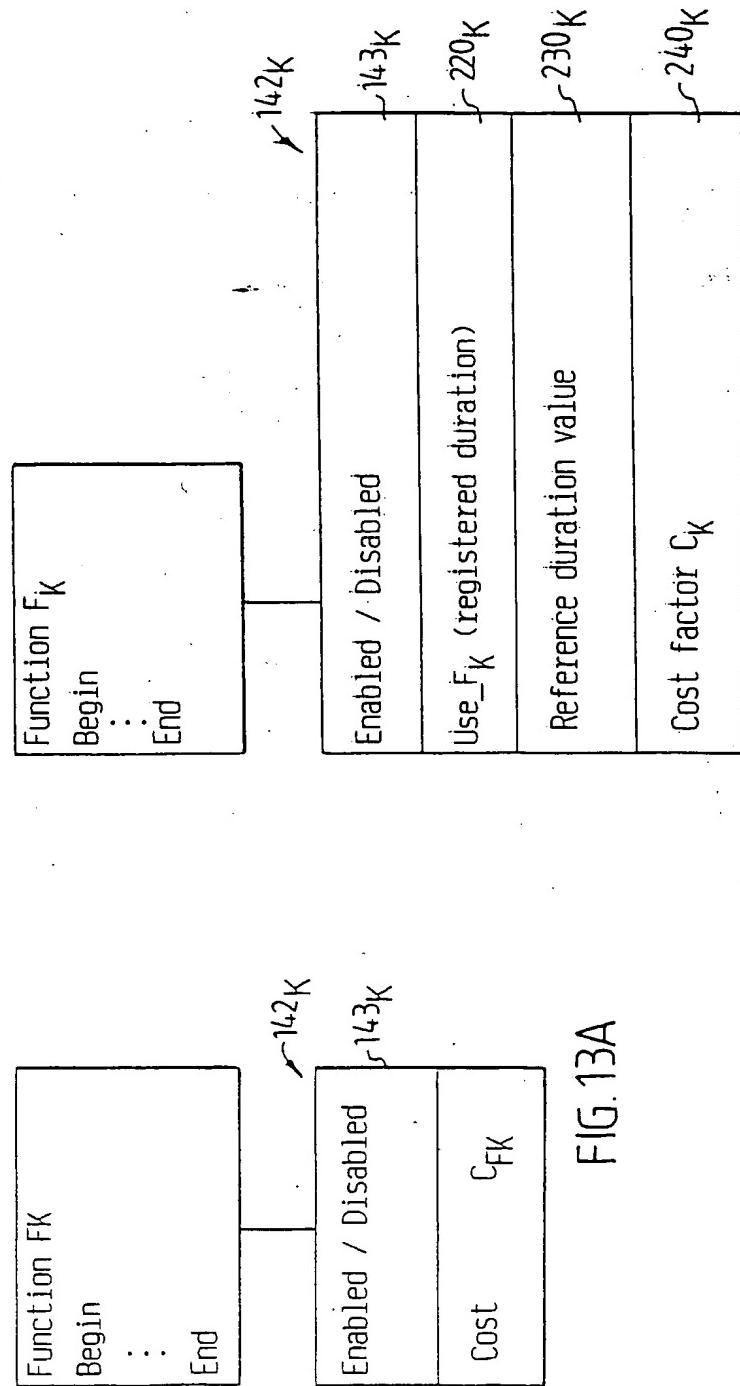


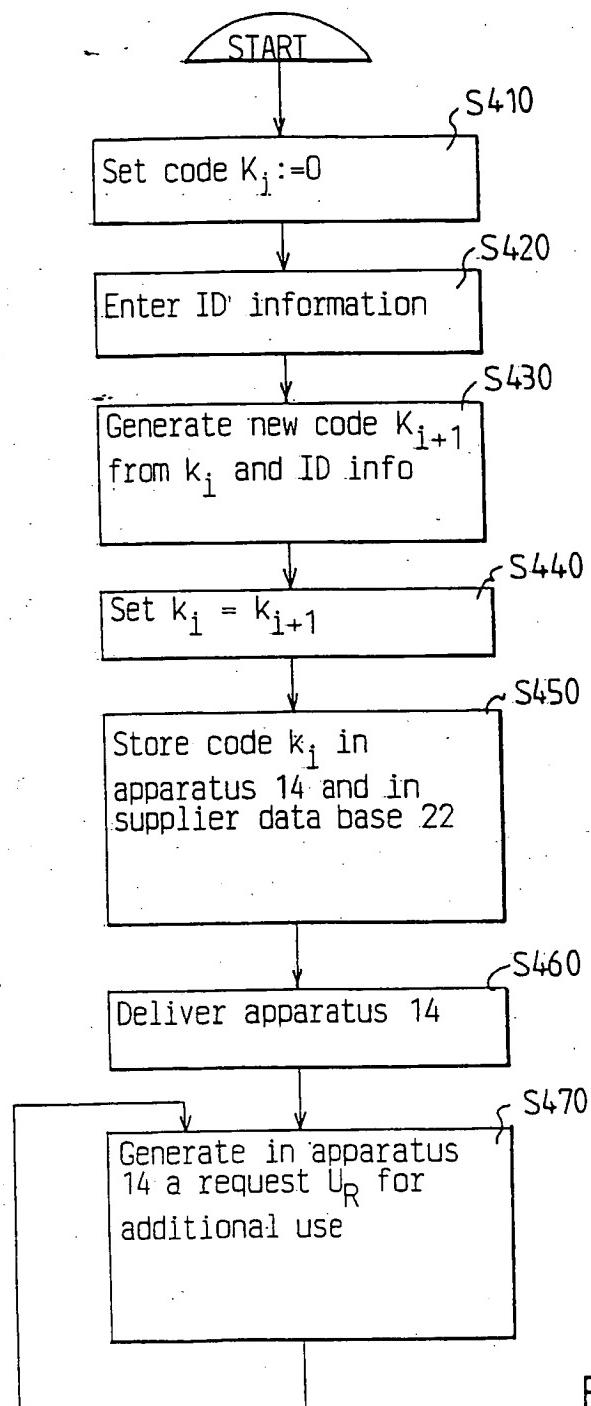
FIG. 12

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From FIG. 14B

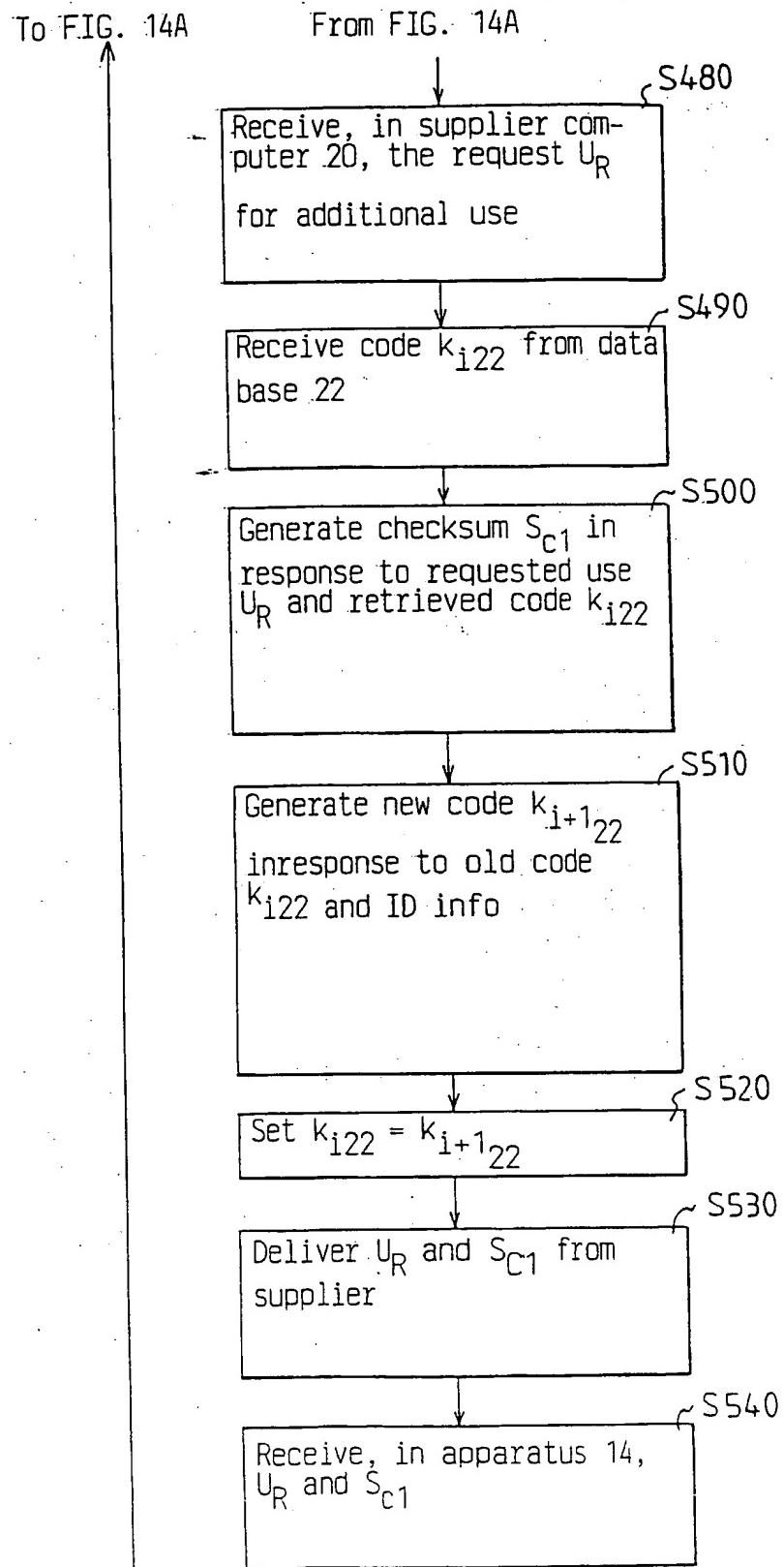
To FIG. 14B

FIG.14A

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To FIG. 14A

From FIG. 14A



From FIG. 14C

To FIG. 14C

FIG. 14B

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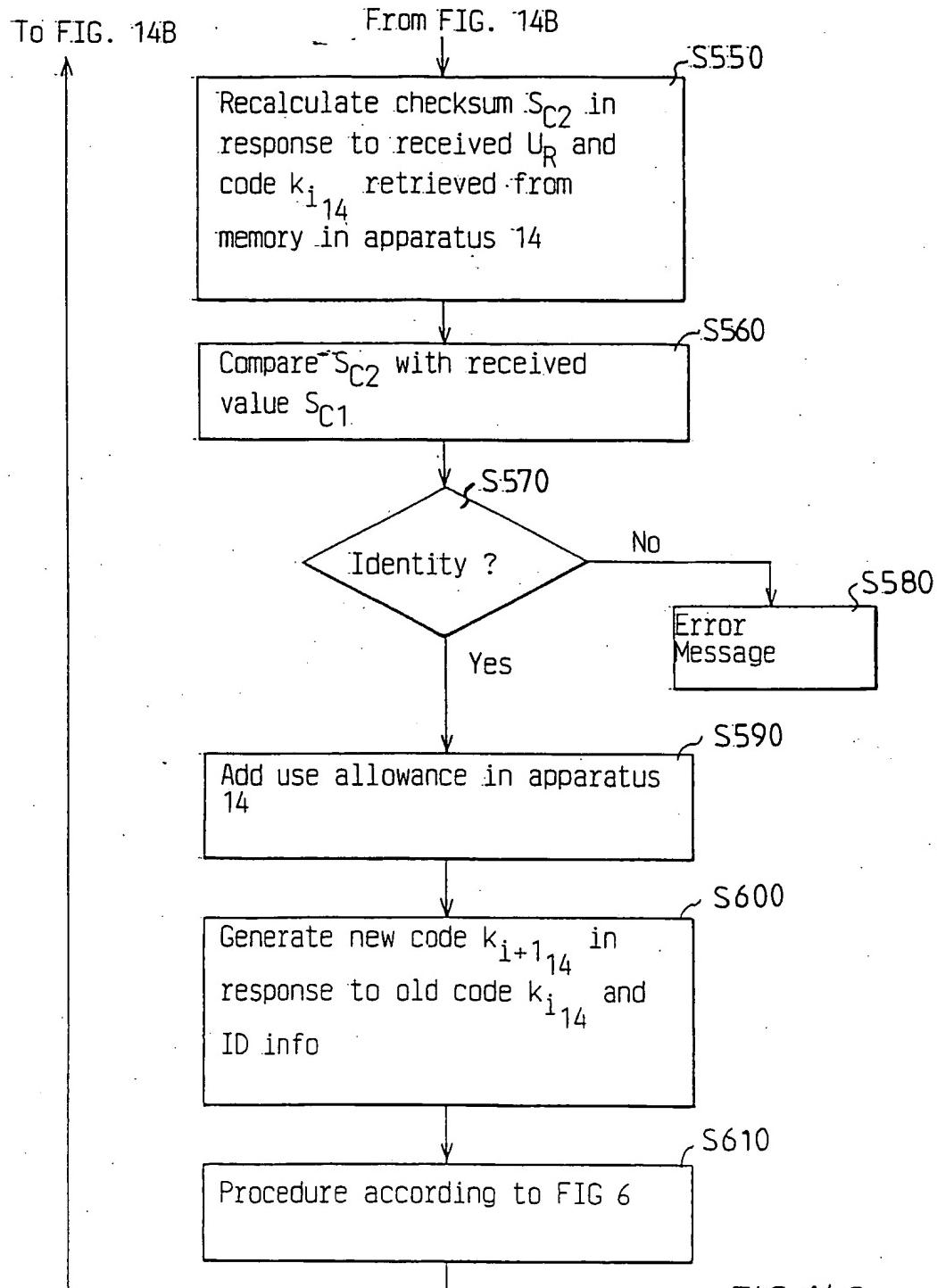


FIG. 14C

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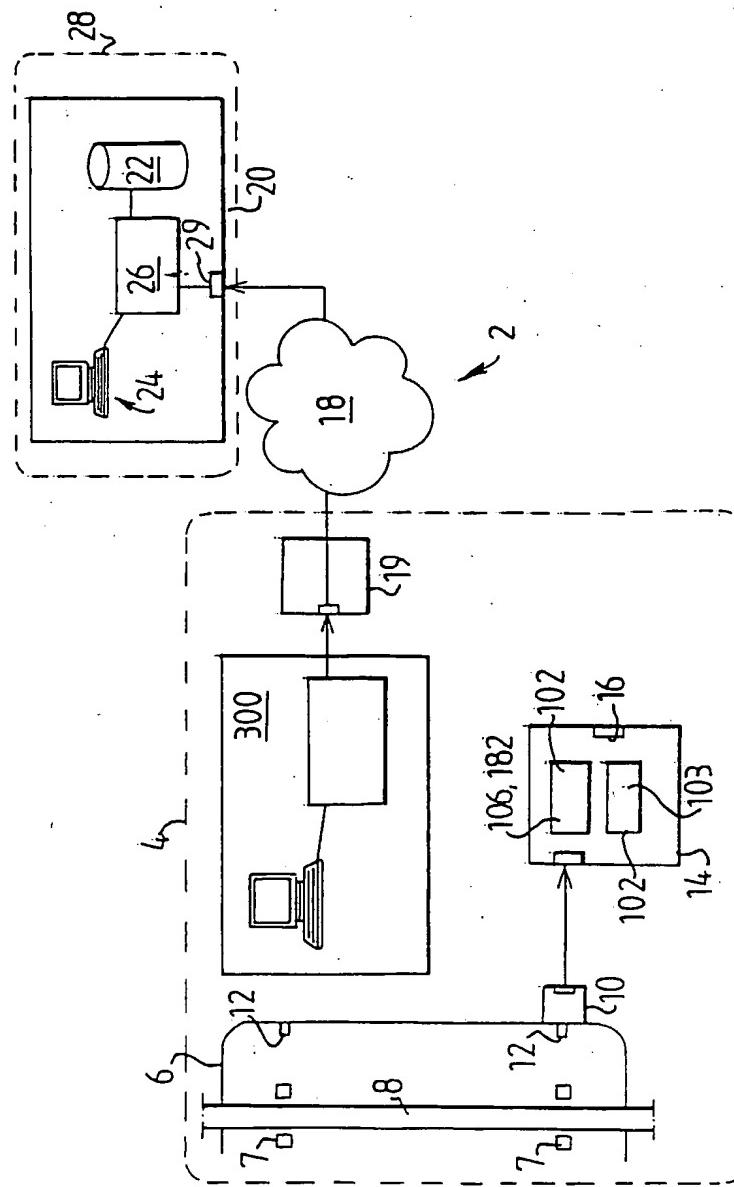


FIG. 15

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 000083

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: G01H 1/00, C07C 3/00, G01M 13/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: G01H, G07C, G01M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE, DK, FI, NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol.199, no. 609 30 September 1996 (1996-09-30) & JP 08 123868 A (DENSEI KK), 17 May 1996 (1996-05-17) abstract --	1-38
A	US 6078874 A (PIETY ET AL), 20 June 2000 (20.06.00), abstract --	1-38
A	EP 0905601 A1 (TLV COMPANY LIMITED), 31 March 1999 (31.03.99), abstract --	1-38

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International application No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 9801831 A1 (SPM INSTRUMENT AB), 15 January 1998 (15.01.98), abstract -----	1-38

INTERNATIONAL SEARCH REPORT

Information on patent family members

29/03/03

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